

## CLAIMS

What is claimed is:

1. A security enclosure for a control apparatus, said enclosure comprising:
  - a cage configured to connect to a base and encompass said apparatus;
  - a mounting strap configured to extend inside said cage substantially perpendicular to said base when said cage is connected to said base; and
  - a lock device configured to secure said cage to said mounting strap when said cage is connected to said base.
  
2. An enclosure as claimed in claim 1 wherein:
  - said mounting strap is a first mounting strap;
  - said enclosure additionally comprises a second mounting strap configured to extend inside said cage substantially perpendicular to said base when said cage is connected to said base; and
  - said lock device is configured to secure said cage to said first and second mounting straps when said cage is connected to said base.

3. An enclosure as claimed in claim 1 wherein:

said mounting strap is a first mounting strap;

said lock device is a first lock device; and

said enclosure additionally comprises:

a second mounting strap configured to extend inside said cage substantially perpendicular to said base when said cage is connected to said base; and

a second lock device configured to secure said cage to said second mounting strap when said cage is connected to said base.

4. An enclosure as claimed in claim 1 wherein:

said mounting strap is a first mounting strap partially embedded within said base;

said enclosure additionally comprises:

a second mounting strap partially embedded within said base and configured to extend inside said cage substantially perpendicular to said base when said cage is connected to said base; and

a mounting shank embedded within said base and extending between said first and second mounting straps; and

said lock device is configured to secure said cage to said first and second mounting straps when said cage is connected to said base.

5. An enclosure as claimed in claim 1 wherein:  
said mounting strap has a strap width and a strap thickness;  
said cage has a strap engagement slot having a slot width  
greater than said strap width and a slot thickness greater than  
said strap thickness; and

said mounting strap extends substantially vertically inside  
said cage through said strap engagement slot when said cage is  
connected to said base.

6. An enclosure as claimed in claim 1 wherein:  
said cage has a cage lock hole;  
said mounting strap has a strap lock hole; and  
said lock device is configured to reside within said cage and  
strap lock holes when said cage is connected to said base.

7. An enclosure as claimed in claim 6 wherein:  
said lock device comprises a lock rod and a movable lock tab  
having a tab hole;  
said cage comprises a fixed lock tab having a tab hole; and  
said lock rod is configured to reside within said cage and  
strap lock holes with said fixed and movable tab holes  
substantially in alignment when said cage is connected to said  
base;

8. An enclosure as claimed in claim 1 wherein said cage  
comprises:

- a frame;
- a first end panel;
- a second end panel; and
- a perforated body panel.

9. An enclosure as claimed in claim 8 wherein said frame comprises:

a first "U" member having a first upright portion and a second upright portion;

a second "U" member having a third upright portion and a fourth upright portion;

a first angle member coupled between said first and second upright portions;

a second angle member coupled between said second and third upright portions;

a third angle member coupled between said third and fourth upright portions; and

a fourth angle member coupled between said fourth and first upright portions.

10. An enclosure as claimed in claim 8 wherein said frame comprises a brace coupled between said first and second "U" members.

11. An enclosure as claimed in claim 1 wherein said cage comprises:

a first "U" member;

a second "U" member;

a first end panel affixed to said first "U" member;

a second end panel affixed to said second "U" member; and

a perforated body panel affixed between said first and second "U" members.

12. An enclosure as claimed in claim 11 wherein one of said first end panel, said second end panel, and said perforated body panel is formed of perforated sheet metal.

13. An enclosure as claimed in claim 12 wherein said perforated sheet metal is 10-18 gauge sheet steel.

14. An enclosure as claimed in claim 1 wherein:  
said lock device comprises:

- a movable lock tab; and
- a lock rod; and

said enclosure additionally comprises:

- a fixed lock tab coupled to said cage;
- a shroud configured to enshroud said fixed and movable lock tabs when said cage is connected to said base.

15. A security enclosure for a control apparatus, said enclosure comprising:

- a cage configured to connect to a base and encompass said apparatus;

- a fixed lock tab affixed to said cage and having a tab hole;
- a lock device comprising:

- a movable lock tab having a tab hole; and

- a lock rod coupled to said movable lock tab; and

- a shroud configured to enshroud, in conjunction with said base, said fixed lock tab, said movable lock tab, and a lock having a shackle passing through said tab holes of said fixed and movable lock tabs when said cage is connected to said base.

16. An enclosure as claimed in claim 15 wherein:  
said enclosure additionally comprises:  
a lock plate coupled to said cage and having a cage lock hole; and  
a mounting strap partially embedded within said base, having a strap lock hole, and configured to extend inside said cage substantially perpendicular to said base so that said strap lock hole substantially aligns with said cage lock hole when said cage is connected to said base; and  
said lock rod is configured to reside within said cage and strap lock holes when said cage is connected to said base.

17. An enclosure as claimed in claim 16 wherein:  
said shroud is coupled to said lock plate;  
said shroud enshrouds said fixed lock tab, said movable lock tab, and said lock upon three sides; and  
said base enshrouds said fixed lock tab, said movable lock tab, and said lock upon a fourth side.

18. An enclosure as claimed in claim 15 additionally comprising:

a first mounting strap partially embedded within said base and configured to extend inside said cage substantially perpendicular to said base when said cage is connected to said base;

a second mounting strap partially embedded within said base and configured to extend inside said cage substantially perpendicular to said base when said cage is connected to said base;

a mounting shank embedded within said base and extending between said first and second mounting straps; and

said lock rod is configured to couple said cage to said first and second mounting straps.

19. An enclosure as claimed in claim 18:

said first mounting strap has a first strap lock hole;

said second mounting strap has a second strap lock hole substantially aligned with said first strap lock hole;

said cage comprises a first lock plate having a first cage lock hole;

said cage additionally comprises a second lock plate having a second cage lock hole substantially aligned with said first cage lock hole and, when said cage is connected to said base, substantially aligned with said first and second strap lock holes; and

said lock rod is configured to reside in said first and second cage lock holes and said first and second strap lock holes when said cage is connected to said base.

20. A security enclosure for a fluid-control apparatus, said enclosure comprising:

a cage connected to a base and configured to encompass said apparatus, said cage comprising:

- a first "U" member;
- a second "U" member;
- a first angle member coupled between said first and second "U" members and having a first strap engagement slot;
- a second angle member coupled between said first and second "U" members and having a second strap engagement slot;
- a first lock plate coupled between said first and second "U" members and having a first cage lock hole;
- a second lock plate coupled between said first and second "U" members and having a second cage lock hole substantially aligned with said first cage lock hole
- a fixed lock tab proximate said first cage lock hole and having a tab hole;
- a first end panel coupled to said first "U" member;
- a second end panel coupled to said second "U" member;
- a perforated body panel coupled between said first and second "U" members; and
- a brace coupled between said first and second "U" members;

a first mounting strap partially embedded within said base, configured to extend inside said cage substantially perpendicular to said base through said first strap engagement slot, and having a first strap lock hole configured to substantially align with said first and second cage lock holes;

a second mounting strap partially embedded within said base, configured to extend inside said cage substantially perpendicular to said base through said second strap engagement slot, and having a second strap lock hole configured to substantially align



with said first strap lock hole and with said first and second cage lock holes;

a mounting shank embedded within said base and extending between said first and second mounting straps;

a lock device configured to secure said cage to said first and second mounting straps, said lock device comprising:

a movable lock tab having a tab hole; and

a lock rod coupled to said movable lock tab and

configured to reside within said first cage lock hole, said first strap lock hole, said second strap lock hole, and said second cage lock hole so as to align said tab holes of said fixed and movable lock tabs; and

a shroud coupled to said first lock plate and configured to enshroud, in conjunction with said base, said fixed lock tab, said movable lock tab, and a lock having a shackle passing through said tab holes of said fixed and movable lock tabs.